

U.S. Appl. No. 09/715,453  
Amendment Dated Apr 18, 2004  
Reply to Office Action of Nov 18, 2004  
Docket No. 6169-134

IBM Docket No. BOC9-1999-0074

**Listing of Claims:**

1. (Currently Amended) A hypermedia content presentation method comprising:

presenting hypermedia content, said hypermedia content containing hyperlinks to additional hypermedia content;

receiving a user selection of at least one of said hyperlinks;

responsive storing user selected ones of said hyperlinks in a delayed viewing list; and,

caching hypermedia content associated with said stored hyperlinks during said presenting step, wherein the hypermedia content is presented to a user during said receiving, storing, and caching steps.

2. (Original) The method of claim 1, further comprising reconfiguring said stored hyperlinks to point to said cached hypermedia content.

3. (Currently Amended) The method of claim 1, wherein said presenting step comprises displaying Web content in a Web browser, said Web content containing hyperlinks to additional Web content, said user selection being responsive to a right click mouse event on the selected hyperlink.

4. (Original) The method of claim 3, wherein said presenting step further comprises playing back multimedia content in a multimedia content player.

5. (Currently Amended) The method of claim 1, wherein said presenting step comprises displaying audiovisual television content combined with hypermedia content in a television set, said audio visual television content comprising a video stream.

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wherein said video stream is presented in an uninterrupted manner during said receiving, storing, and caching steps.

6. (Currently Amended) The method of claim 1, wherein said caching step comprises caching hypermedia content in a server remotely located from and communicatively linked to said content browser.

7. (Currently Amended) The method of claim 1, wherein said caching step comprises caching hypermedia content in a local cache communicatively linked to said content browser and disposed within a client executing the content browser.

8. (Original) The method of claim 1, wherein said caching step comprises:  
evaluating available system resources; and,  
based upon said evaluation, caching said further hypermedia content in a proxy cache where downloading said further hypermedia content to a local cache can constrain local resources.

9. (Original) The method of claim 1, wherein said caching step comprises:  
evaluating available system resources; and,  
based upon said evaluation, downloading said hypermedia content associated with said stored hyperlinks to a hypermedia content cache when said system resources are available, and delaying said downloading when said system resources are constrained.

10. (Original) The method of claim 1, wherein said caching step comprises:  
configuring a page depth to which said hyperlinks in said hypermedia content associated with said stored hyperlinks can be followed;

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downloading said hypermedia content associated with said stored hyperlinks, said downloaded hypermedia content containing additional hyperlinks to further hypermedia documents;

further downloading said further hypermedia documents, said further hypermedia documents containing further hyperlinks to even further hypermedia documents; and,

repeating said further downloading step until reaching said configured page depth.

11. (Original) The method of claim 10, further comprising reconfiguring said stored, further and additional hyperlinks to point to associated hypermedia documents stored in said cache.

12. (Original) The method of claim 1, wherein said caching step further comprises:  
establishing a set of folders having an associated topic; and,  
downloading said hypermedia content to selected ones of said set of folders, each folder in said set containing hypermedia content corresponding to a topic associated with said folder.

13. (Original) The method of claim 1, further comprising adapting said cached hypermedia content for full text searching in a full text search engine.

14. (Currently Amended) The method of claim 1, wherein said storing step further comprises:

associating expiration data with each hyperlink in said delayed viewing list; and,  
automatically purging hyperlinks from said delayed viewing list based on said expiration data.

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15. (Currently Amended) The method of claim 1, further comprising manually purging selected cached hypermedia content responsive to a user selection.

16. (Currently Amended) The method of claim 1, further comprising manually managing selected hyperlinks in said delayed viewing list via a user interface of a delayed viewing list manager.

17. (Currently Amended) The method of claim 1, further comprising automatically purging selected hyperlinks in said delayed viewing list responsive to the hypermedia content referenced by the selected hyperlinks being presented to a user.

18. (Original) The method of claim 1, further comprising:  
selecting hyperlinks in said delayed viewing list; and,  
presenting cached hypermedia content associated with said selected hyperlinks.

19. (Original) The method of claim 1, further comprising:  
selecting hyperlinks in said delayed viewing list; and,  
adding said selected hyperlinks to a list of bookmarks in a content browser.

20. (Original) The method of claim 1, further comprising manually managing said cached hypermedia content.

21. (Original) The method of claim 1, wherein said caching step comprises:  
determining if a selected hyperlink is associated with hypermedia content having a limited lifetime; and,  
if it is determined that a selected hyperlink is associated with hypermedia content having a limited lifetime, identifying further hypermedia content necessary for viewing

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said hypermedia content having a limited lifetime, and downloading said hypermedia content having a limited lifetime and said necessary further hypermedia content.

22. (Currently Amended) A hypermedia content presentation system comprising:  
a content browser for presenting hypermedia content to a user;  
a means for the user to select at least one hyperlink from within the content browser while the hypermedia content is displayed to the user;  
a content cache for storing further hypermedia content related to said hypermedia content presented in said content browser;  
a delayed viewing list for storing hyperlinks to said further hypermedia content in said content cache, said hyperlinks contained in said hypermedia content presented in said content browser, wherein said delayed viewing list is dynamically created responsive to user selections of hyperlinks that have been presented within the content browser; and,  
a delayed viewing list manager;  
said delayed viewing list manager downloading said further hypermedia content to said content cache during said presentation of said hypermedia content in said content browser without a view currently presented in the content browser from being relinquished.

23. (Currently Amended) The hypermedia content presentation system of claim 22, wherein said content browser is a Web browser and said hypermedia content is Web content, said user selection being responsive to a right click mouse event on the selected hyperlink.

24. (Currently Amended) The hypermedia content presentation system of claim 22, wherein said content cache is a local cache associated with said content browser, and wherein said content browser is configured to display audiovisual television content

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combined with hypermedia content in a television set, said audio visual television content comprising a video stream, wherein said video stream is presented in an uninterrupted manner file operations relating to the content cache, the delayed viewing list, and the delayed viewing list manager are being performed.

25. (Original) The hypermedia content presentation system of claim 22, wherein said content cache is a proxy cache communicatively linked to said content browser.

26. (Original) The hypermedia content presentation system of claim 22, wherein said delayed viewing list manager further comprises:

a resource sensitive downloading agent;

said resource sensitive downloading agent monitoring available system resources;

said resource sensitive downloading agent downloading said further hypermedia content to said content cache when system resources are available;

said resource sensitive downloading agent delaying said downloading when said system resources are constrained.

Claims 27 through 31 are withdrawn.

32. (Currently Amended) A machine readable storage, having stored thereon a computer program having a plurality of code sections for presenting hypermedia content, said code sections executable by a machine for causing the machine to perform the steps of:

presenting hypermedia content, said hypermedia content containing hyperlinks to additional hypermedia content;

receiving a user selection of at least one of said hyperlinks;

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responsive storing user selected ones of said hyperlinks in a delayed viewing list;  
and,

caching hypermedia content associated with said stored hyperlinks during said  
presenting step, wherein the hypermedia content is presented to a user during said  
receiving, storing, and caching steps.

33. (Original) The machine readable storage of claim 32, further comprising  
reconfiguring said stored hyperlinks to point to said cached hypermedia content.

34. (Currently Amended) The machine readable storage of claim 32, wherein  
said presenting step comprises displaying Web content in a Web browser, said Web  
content containing hyperlinks to additional Web content, said user selection being  
responsive to a right click mouse event on the selected hyperlink.

35. (Original) The machine readable storage of claim 34, wherein said presenting  
step further comprises playing back multimedia content in a multimedia content player.

36. (Currently Amended) The machine readable storage of claim 32, wherein  
said presenting step comprises displaying audiovisual television content combined with  
hypermedia content in a television set, said audio visual television content comprising a  
video stream, wherein said video stream is presented in an uninterrupted manner during  
said receiving, storing, and caching steps.

37. (Currently Amended) The machine readable storage of claim 32, wherein  
said caching step comprises caching hypermedia content in a server remotely located  
from and communicatively linked to said content browser.

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38. (Currently Amended) The machine readable storage of claim 32, wherein said caching step comprises caching hypermedia content in a local cache communicatively linked to said content browser and disposed within a client executing the content browser.

39. (Original) The machine readable storage of claim 32, wherein said caching step comprises:

evaluating available system resources; and,

based upon said evaluation, caching said further hypermedia content in a proxy cache where downloading said further hypermedia content to a local cache can constrain local resources.

40. (Original) The machine readable storage of claim 32, wherein said caching step comprises:

evaluating available system resources; and,

based upon said evaluation, downloading said hypermedia content associated with said stored hyperlinks to a hypermedia content cache when said system resources are available, and delaying said downloading when said system resources are constrained.

41. (Original) The machine readable storage of claim 32, wherein said caching step comprises:

configuring a page depth to which said hyperlinks in said hypermedia content associated with said stored hyperlinks can be followed;

downloading said hypermedia content associated with said stored hyperlinks, said downloaded hypermedia content containing additional hyperlinks to further hypermedia documents;



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further downloading said further hypermedia documents, said further hypermedia documents containing further hyperlinks to even further hypermedia documents; and,  
repeating said further downloading step until reaching said configured page depth.

42. (Original) The machine readable storage of claim 41, further comprising reconfiguring said stored, further and additional hyperlinks to point to associated hypermedia documents stored in said cache.

43. (Original) The machine readable storage of claim 32, wherein said caching step further comprises:

establishing a set of folders having an associated topic; and,

downloading said hypermedia content to selected ones of said set of folders, each folder in said set containing hypermedia content corresponding to a topic associated with said folder.

44. (Original) The machine readable storage of claim 32, further comprising adapting said cached hypermedia content for full text searching in a full text search engine.

45. (Currently Amended) The machine readable storage of claim 32, wherein said storing step further comprises:

associating expiration data with each hyperlink in said delayed viewing list; and,

automatically purging hyperlinks from said delayed viewing list based on said expiration data.

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46. (Currently Amended) The machine readable storage of claim 32, further comprising manually purging selected cached hypermedia content responsive to a user selection.

47. (Currently Amended) The machine readable storage of claim 32, further comprising manually managing selected hyperlinks in said delayed viewing list via a user interface of a delayed viewing list manager.

48. (Original) The machine readable storage of claim 32, further comprising automatically purging selected hyperlinks in said delayed viewing list.

49. (Original) The machine readable storage of claim 32, further comprising:  
selecting hyperlinks in said delayed viewing list; and,  
presenting cached hypermedia content associated with said selected hyperlinks.

50. (Original) The machine readable storage of claim 32, further comprising:  
selecting hyperlinks in said delayed viewing list; and,  
adding said selected hyperlinks to a list of bookmarks in a content browser.

51. (Original) The machine readable storage of claim 32, further comprising manually managing said cached hypermedia content.

52. (Original) The machine readable storage of claim 32, wherein said caching step comprises:

determining if a selected hyperlink is associated with hypermedia content having a limited lifetime; and,

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if it is determined that a selected hyperlink is associated with hypermedia content having a limited lifetime, identifying further hypermedia content necessary for viewing said hypermedia content having a limited lifetime, and downloading said hypermedia content having a limited lifetime and said necessary further hypermedia content.

Claims 53 through 58 are withdrawn.